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SONOMA - GERLACH RESOURCE AREA

RANGELAND PROGRAM SUMMARY

UPDATE
JUNE 1988

U.S. Department of the Interior
Bureau of Land Management
Winnemucca District Office
Winnemucca, Nevada



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Dear Reader:

This Rangeland Program Summary (RPS) Update is part of our continuing effort to keep you informed of our progress toward the implementation of the Rangeland Program for the Sonoma-Gerlach Resource Area.

Planning and management of public lands is a dynamic process. It incorporates public participation and consultation, extensive resource monitoring, and management flexibility to best meet public and resource needs. This document presents the current Rangeland Program status in the Sonoma-Gerlach R.A., describes our management progress, outlines decision or agreement modifications, future project needs and management direction.

There is a note of clarification that needs to be added to this RPS. The planned range improvement projects by allotment are subject to change as AMPs and HMPs are developed. Projects proposed by livestock operators, Coordinated Resource Management Plan (CRMP) committees and or other interested parties will be tracked in future RPS updates.

We feel that we are making progress toward improving our public rangeland. This progress is being realized as a result of the vital role of user groups and public participation and cooperation. Consequently, we would like to express our thanks to those groups, individuals, and local governments who have provided much needed support and assistance, plus we encourage you to continue your participation in our efforts to meet the public and resource needs.

Sincerely yours,

Robert J. Neary
Acting District Manager

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Introduction

The Final Sonoma-Gerlach Grazing Environmental Impact Statement (EIS) was completed in September of 1981. It analyzed a proposed rangeland management program, along with several alternatives, for livestock grazing, wildlife habitat resources, and wild horse and burro grazing for the Winnemucca District's Sonoma-Gerlach Resource Area. Upon completion of the Environmental Impact Statement, the District began the last phase of the planning process for these resource management programs for the purpose of determining final land use decisions. This included the Sonoma-Gerlach Management Framework Plan (MFP) which was approved by the State Director in 1982. A summary of these decisions was reported in the August 1982 Record of Decision for the Final Sonoma-Gerlach Grazing Environmental Impact Statement.

The Bureau's decision is to adopt an integrated plan using components of both the Proposed Action and Livestock Reduction/Maximizing Wild Horses and Burros Alternatives. Adjustments in grazing use will be based upon rangeland monitoring through agreements and/or decisions. Priorities for implementation of intensive management by allotment will be accomplished through the selective management approach, as specified in the Final Grazing Management Policy (Washington Office Instruction Memorandum No. 82-292).

The Rangeland Program Summary (RPS) dated October 14, 1983, was designed to inform interested persons about the implementation of the rangeland management program, as set forth in the planning decisions of the 1982 Sonoma-Gerlach Management Framework Plan. To make the RPS an effective management tool it is necessary to update the RPS to include the progress made since October of 1983.

This document addresses the changes in the grazing management program, wild horse and burro program and wildlife programs, as well as progress made toward meeting land use plan objectives that have occurred since the initial RPS was issued.

Objectives of the Program

The short and long-term range objectives of the grazing management program are to maintain or improve the condition of the public rangelands. Short-term objectives are the targeted utilization levels that are addressed in Table II. Long-term objectives are the desired habitat conditions that are addressed in Table II. The objectives as stated in the RPS are to manage, maintain, and improve the rangeland conditions on the public lands through the following:

- a. Improve and maintain a sufficient quantity, quality, and diversity of habitat and forage for livestock, wildlife, wild horses and burros on a sustained yield basis through natural regeneration and/or artificial methods;
- b. Improve the vegetation resource by considering the physiological needs of key management species in the development of activity plans,
- c. Reduce soil erosion and enhance watershed values by increasing ground cover and litter;

- d. Improve the health and productivity of wild horses and burros by maintaining a natural ecological balance of wild horses and burros on public lands, and;
- e. Improve and maintain the condition of the riparian and stream habitat.

Management Implementation

The rangeland management program will be implemented through decisions or agreements. These will be initiated through the consultation, cooperation and coordination process and the evaluation of monitoring data.

Grazing adjustments, if required, will be based upon vegetation monitoring studies, CRMP committee recommendations, baseline inventory data, or a combination of these. These studies will be obtained from an intensive, coordinated monitoring effort in which all affected interest groups are encouraged to participate.

The formal process of consultation and coordination may involve the Lovelock CRMP committee or other such committees. The CRMP committee brings together all interests concerned with the management of resource uses, wildlife groups, wild horse and burro groups, conservation organizations, etc.

The consultation/coordination process would not necessarily require participation by the formal CRMP committee. The process may be accomplished in a more informal manner, initiated by either the BLM or the range user. Regardless of the approach, all affected interests will be afforded the opportunity to actively participate in the process.

Priorities for Implementation

The selective management approach is being used to implement the rangeland management program. Selective management classifies grazing allotments into three categories: "M" (Maintain), "I" (Intensive), or "C" (Custodial).

All allotments were grouped into these categories according to their management needs, potential for improvement, and Bureau funding/manpower constraints following consultation with interested groups and individuals.

"I" category allotments will receive the highest priority for development of intensive grazing management through the consultation and coordination process. "M" category allotments will receive second priority, while "C" category allotments will be third priority. Refer to Table I for a list of allotments by category and allotment priority.

The categorization of the allotments has remained consistent with what was published in the RPS. The major emphasis has been on lower I priority allotments. This is in direct response to public interest manifested through the CRMP process, as a result of this public involvement the management on the ground has been concentrated on the Buffalo Hills and Blue Wing-Seven Troughs Allotments. However, current and future implementation efforts will concentrate on the priority I allotments.

Categories of allotments can be changed should it become necessary. If an "I" allotment for example should have all of the range improvements completed, stocking rates and seasons of use are correct, condition and trend are clearly up and management objectives are being met, the allotment could be reclassified as an "M" allotment. Conversely should an "M" allotment appear to be deteriorating and management objectives are not being met it could be reclassified as an "I". The goal is to get as many allotments as possible into the "M" Category.

Implementation of Grazing Use Adjustments

Grazing use adjustments where needed will be implemented either through agreements with permittees or through decisions based upon monitoring evaluations. On allotments with inconclusive monitoring data and/or without an agreement for grazing use stocking levels, the following base herbivore grazing levels will be used as a starting point for monitoring purposes:

Livestock

- Active preference or negotiated adjustments,

Wildlife

- Reasonable numbers as established by BLM and the Nevada Department of Wildlife, and

Wild Horses and Burros - Existing/current WH&B numbers (as of July 1, 1982) except where one of the following conditions exist.

- a. Numbers are established by adequate and supportable resource data;
- b. Numbers are established through the CRMP process as documented in CRMP recommendations and agreed to by the District Manager;
- c. Numbers are established by formal signed agreement between affected interests;
- d. Numbers are established through previously developed interim capture/management plans; plans are still supportable by parties consulted in the original plan; EAs (EARs) were prepared and are still valid, or:
- e. Numbers are established by court order.

Grazing use adjustments when necessary on I and M allotments in the Sonoma-Gerlach Resource Area will be implemented through one of the following three methods by September 30, 1988. For those allotments where adequate monitoring indicated no change is in order, a no change decision may be issued and/or the files documented.

a. Agreements to Make Adjustments

Where grazing use agreements have been negotiated, no decision will be issued. All agreements must document initial stocking levels, periods-of- use, regular nonuse to be taken, length of time that the agreement is in effect, overall management objectives, the monitoring data to be collected, evaluations, and the resulting management actions to be taken. These agreements will be based upon the best available data, but will not preclude the future establishment of intensive grazing

systems, use adjustments or other management practices that may be necessary for proper management of the rangeland resources. Adjustments based upon additional monitoring data gathered will be implemented by a decision or through agreements that will initiate the five-year adjustment implementation period.

b. Agreement or Decision to Continue Monitor

A decision may also be issued to continue to monitor if, by the 5th year, of the initial monitoring studies are inconclusive (i.e. the analysis of best available data indicates that no change is in order at this time and we will continue to monitor). The stocking levels will remain at the base herbivore grazing levels established by the land use plan, until data indicates that a change is in order.

Adjustments to grazing use based upon the additional data gathered shall be implemented through an agreement or by a decision that will "start the clock" on the five-year adjustment implementation period.

c. Decisions to Make Adjustments

Where monitoring data exists to support grazing use adjustments and an agreement cannot be reached, a decision will be issued to "start the clock" on the five-year adjustment implementation period. These adjustments in grazing use will include but are not limited to season-of-use, period-of-use, animal numbers, and kind/class of grazing animals.

Progress of Program Implementation

The following Table II summarizes progress made towards program implementation of the land use plan (Management Framework Plan). Specifically, the table illustrates the progress made in developing management plans through a coordinated management approach in resolving resource conflicts and accomplishing planned objectives. Existing use by allotment for livestock, wildlife, wild horses and burros is compared to planned management objectives and the necessary range improvements and monitoring scheme to determine effectiveness in accomplishing these objectives. Completed monitoring actions and range improvements accomplished since the last RPS are shown to depict progress of on-the-ground management implementation.

Actions Taken Since Last RPS

1. As a result of the Lovelock CRMP group's recommendations:
 - a. Appropriate Management Levels AML have been set for wild horses/burros at 1,020 animals in the Blue Wing/Seven Troughs Allotments.
 - b. A grazing system and areas of use have been agreed upon in the Blue Wing/Seven Troughs Allotments.
 - c. Monitoring plan initiated in Blue Wing/Seven Troughs Allotments.

- d. Monitoring plan initiated in Goldbanks Allotment.
2. Monitoring has been initiated on all I and M allotments.
3. An Order 3 Soil Survey has been completed on twenty-seven (27) allotments.
4. Ecological Status Inventory has been completed on fifteen (15) allotments.
5. Utilization patterns completed on eight (8) allotments.
6. Fourteen (14) trend studies, twelve (12) utilization studies and nine (9) stream surveys have been initiated.
7. 2,650 acres have been seeded and 16.5 miles of fence built for fire rehabilitation. All seeded areas were closed to livestock grazing for two years.
8. 75 miles of fence, 7 cattleguards and 65 game guzzlers have been constructed for resource improvements.
9. Plans that have been completed: three CRMPs, one AMP, six HMPs, one Monitoring Plan and one ACEC.
10. Livestock decrease in AUMs:
 - 4,228 AUMs temporarily suspended
 - 3,150 AUMs permanently cancelled
11. Wild horses and Burros
 - a. Removed 8,038 horses and 60 burros to approach and/or attain appropriate management levels (AMLs).
 - b. Attained AMLs in 22 allotments.
12. Wildlife increase in existing use:
 - Deer - 2,368 AUMs
 - Antelope - 59 AUMs
 - Bighorn Sheep - 266 AUMs

Resource Monitoring and Evaluation

The objective of the monitoring program is to gather data that will be used to evaluate progress toward meeting management objectives. The monitoring program will include wildlife, watershed, range, riparian, and wild horse studies, and the data collected will include actual use, utilization, climatic and condition and trend studies.

Additional monitoring has become necessary to analyze the effects of rangeland fires on several areas within the resource area. Because of the unusually extreme fire season in 1985 this has increased the number of areas that require monitoring. Monitoring has been initiated on all fire areas that were closed to grazing for rehabilitation purposes.

The evaluation program is the evaluating of monitoring data to determine the effectiveness of on-the-ground management actions and assessing progress toward meeting management objectives.

Protest and Appeal Procedures

Individuals or groups who feel that their interest might be adversely affected by a proposed decision, should submit a written request to receive a copy of the proposed decision. Address your request to District Manager, Bureau of Land Management, 705 East Fourth Street, Winnemucca, Nevada 89445.

Appropriations

The development of the grazing management program for the Sonoma-Gerlach Resource Area will depend on adequate appropriations and manpower for implementation.

For additional information about the Sonoma-Gerlach Rangeland Management Program, please contact Gerald P. Brandvold, Sonoma-Gerlach Resource Area Manager, Winnemucca District Office, Bureau of Land Management, 705 East Fourth Street, Winnemucca, Nevada 89445, or by calling (702) 623-3676.

Table I
Sonoma-Gerlach Resource Area
Selective Management Categorization 1/

<u>Priority</u>	<u>Allotment Name</u>	<u>Categorization</u>	<u>Benefit/Cost Analysis</u>
1	Soldier Meadows	I	.2/1
2	Buffalo Hills	I	.8/1
3	Calico	I	.8/1
4	Rodeo Creek	I	.6/1
5	Blue Wing	I	1/1
6	Seven Troughs	I	1/1
7	Clear Creek	I	.4/1
8	Dolly Hayden	I	.4/1
1	Sonoma	M	
2	Rock Creek	M	
3	Melody	M	
4	Harmony	M	
5	Goldbanks	M	.6/1
6	Coyote	M	
7	Rye Patch	M	
8	Leadville	M	
9	Coal Canyon-Poker	M	
1	Pleasant Valley	C	
2	Star Peak	C	
3	Majuba	C	
4	Pumpernickel	C	
5	Desert Queen	C	
6	White Horse	C	
7	Klondike	C	
8	Rochester	C	
9	Rawhide	C	
10	Diamond S	C	
11	Thomas Creek	C	
12	Prince Royal	C	
13	Pole Canyon	C	
14	Ragged Top	C	
15	Humboldt House	C	
16	Humboldt Sink	C	
	Buffalo Valley (Battle Mountain)	M	
	North Buffalo (Battle Mountain)	C	
	Licking (Battle Mountain)	C	
	Jersey Valley (Carson City)	C	
	Cottonwood (Carson City)	C	

1/ Implementation of the Rangeland Management Program for allotments located within the Winnemucca District but administered by other BLM districts will be based upon their (the administering district) established priority.

Program of Program Implementation Recommendations Document Area

Kind of Allotment/Operator Plan	Activity/Management Category	Priority/Status/Level/ID	LITERATURE			FIELD			FIELD VISITS AND REPORTS			Monitoring Plan Comments	Completed Monitoring Actions	TABLE 11: IMPLEMENTATION PROGRESS				Program Implementation Progress
			Management Objectives and Program Implementation Method	22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231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Table 11
Progress of Program Implementation Sonoma-Dorland Resource Area

[illegible]

Table II
Progress of Program Implementation Goshute-Gorlach Resource Area

Program of Program Implementation Sonoma-Grolich Runaround Area													
KID P/R	Allotment/Operator	SUBSISTENCE Management Category	LIVELIHOOD		WILDLIFE/HABITAT/STATUS		RECREATION		WATER RESOURCES/USE		SPECIAL MANAGEMENT/CONSERVATION		Program Implementation Report
			Inventory Level 1 (ADN)	Management Objectives and 1/2 Program Implementation Method	Inventory Level 2 (ADN)	Management Objectives and 1/2 Program Implementation Method	Inventory Level 1 (ADN)	Management Objectives and 1/2 Program Implementation Method	Inventory Level 1 (ADN)	Management Objectives and 1/2 Program Implementation Method	Completed Monitoring Activities	Planned 2/2 Activities	
Buck Creek (Cont.)													
CHW	Salmon/	2,010	Manage, maintain and improve	1987	0	0	Manage, maintain and improve	1987	0	0	0	0	SWF updated to current
AWW	Rearing Springs, A, B, and J. Burke	1,843	public, regulated conditions to provide for use as a regulated yield basin with an initial stocking level of 2,000 ADMs. Validation on acceptance of all use level on any range section 5/2 that will provide a sustained yield. Improve range/condition of time of year fair to good on 1-100 acres of range good to excellent on 1-100 acres. Develop CHW Plan. Review and update by through the Licensing CHW. Consider developing antelope range by artificial methods where necessary and feasible.	732	0	0	Manage, maintain and improve public, regulated habitat con- dition or provide for use as a regulated yield basin with an initial stocking level of 2,000 ADMs. In some for a higher step, by: a. Improving or maintaining to good condition (at least 100 acres) of range good to excellent on 1-100 acres. Protect open space stocking and weeding habitat and improve browsing habitat. Wildlife habitat management activities for vegetation time of year fair to good on 1-100 acres where necessary and feasible by approved SWF, and SWF CHW. b. Supplemental will not exceed 100% of 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). c. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). d. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). e. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). f. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). g. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). h. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). i. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). j. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). k. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). l. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). m. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). n. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). o. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). p. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). q. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). r. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). s. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). t. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). u. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). v. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). w. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). x. Wellstocked 1/2 (at least the Sonoma-Grolich Table 1-3 for key species). y. 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11. Priority Planning Efforts

This section of the table addresses those allotments that have a high priority for development of intensive grazing management and monitoring plans. Future emphasis in specific allotment management plans will be placed on these allotments within the resource area.

[illegible]

12

Table II
Progress of Program Implementation Sonoma-Garlich Resource Area

[illegible]

Table 11
Progress of Program Implementation, Sonoma-Gelbach Resource Area

[illegible]

South Buffalo Valley (Cont.)

Table 11
Progress of Program Implementation Sonoran-Garlock Resource Area

[illegible]

Table II

Bitte lesen (Cont.)

Table 11
Progress of Program Implementation Susquehanna River Resource Area

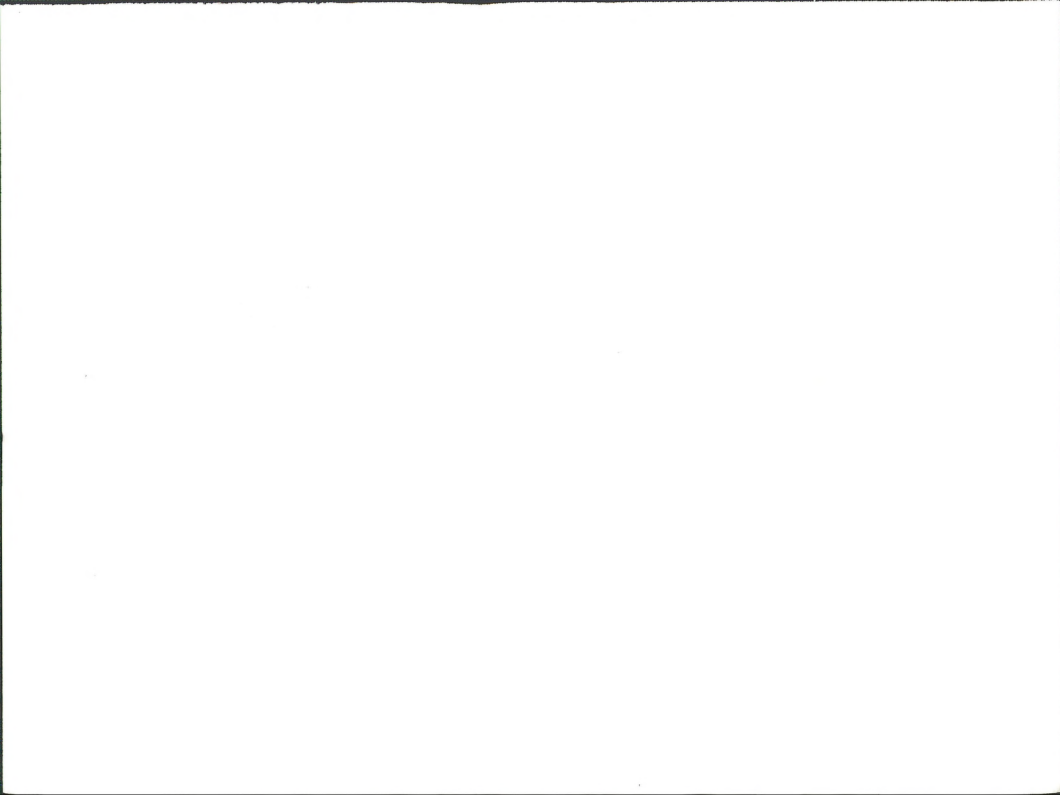
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Appendix 11

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Table 11

2



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Sonoma-Gerlach Resource Area

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